

LECXO®

LX2.8-6 (6V-2.8AH)

RECHARGEABLE SEALED LEAD-ACID BATTERY



UPS
SYSTEM



GENERAL
PURPOSE



EMERGENCY
LIGHTING



MEDICAL



FIRE &
SECURITY



LX-Series
MADE IN VIETNAM

APPLICATIONS

- Telecommunications
- UPS
- UPS, Data center
- Energy Storage, Electric Systems
- Emergency Lighting, Security
- Medical, Electronic Equipment
- Motive Power

GENERAL FEATURES

- Under 25°C, the designed floating life is up to 7 years.
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance.

STANDARDS

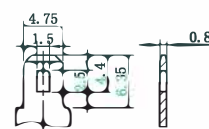
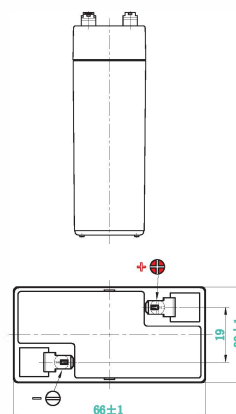
Compliance with & Manufacturing Facilities Certified by:

- ISO 45001, 9001 & 14001
- IEC 61056, GB Standard
- EU Battery Directive
- UL Certified
- CE Certified

SPECIFICATIONS

Rated Voltage		6V	
Nominal Capacity		2.8Ah	(C ₂₀ 1.75V/Cell)
Dimension	Length	66 ±1 mm (2.99 inches)	
	Width	33 ±1 mm (1.30 inches)	
	Container Height	97 ±1 mm (3.82 inches)	
	Total Height	103 ±1 mm (4.06 inches)	
Approx Weight		0.55 Kg (1.21 lbs)	
Terminal		T1	
Container Material		ABS	
Rated Capacity (25°C)	2.80 Ah	C20(0.140A, 1.75V/cell)	
	2.65 Ah	C10(0.265A, 1.75V/cell)	
	2.41 Ah	C5(0.482A, 1.75V/cell)	
	2.16 Ah	C3(0.719A, 1.75V/cell)	
	1.89 Ah	C1(1.89A, 1.60V/cell)	
Max. Discharge Current		42A (5s)	
Internal Resistance (25°C)		Approx 22mΩ	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)	
	Charge	-20~40°C (-4~104°F)	
	Storage	-15~50°C (5~122°F)	
National Operating Temp Range		25±5°C (77±5°F)	
Max. Charging Current (25°C)		0.84A	
Charge voltage (25°C)	Float	2.25~2.30V/cell	Temp. Coefficient
	Equalization	2.35~2.40V/cell	-3mV/°C
	Cycle	2.40~2.50V/cell	-4mV/°C
			-5mV/°C
Effect of Temp to Capacity	40°C (104°F)	103%	
	25°C (77°F)	100%	
	0°C (32°F)	86%	
Self Discharge		25°C (77°F)	

DIMENSIONS



T1

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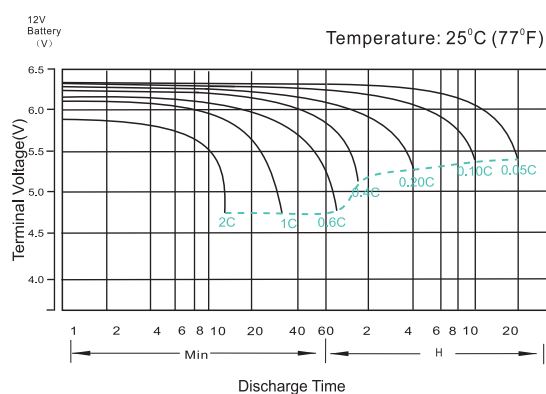


LX-Series

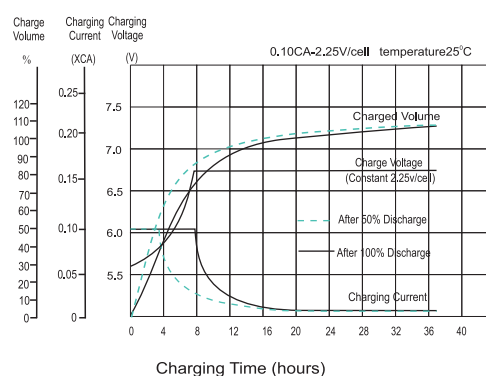
MADE IN VIETNAM



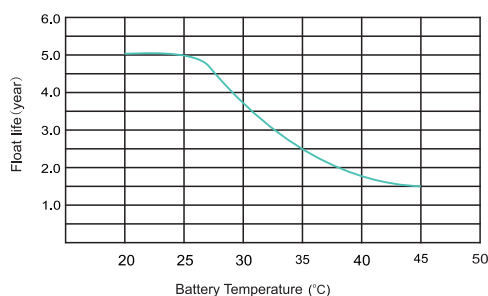
DISCHARGE CHARACTERISTICS



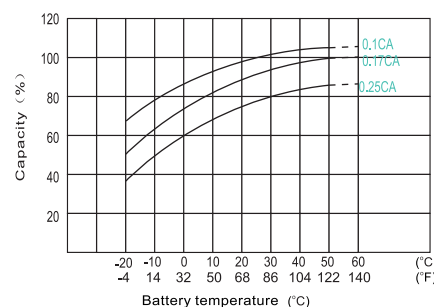
FLOAT CHARGING CHARACTERISTICS



FLOAT SERVICE LIFE



TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	9.02	6.18	4.81	3.91	2.88	2.11	1.71	1.25	0.972	0.697	0.551	0.469	0.402	0.316	0.259	0.137
1.80V/cell	9.70	6.55	5.05	4.07	2.97	2.16	1.75	1.27	0.990	0.708	0.559	0.476	0.408	0.321	0.262	0.138
1.75V/cell	10.2	6.82	5.22	4.18	3.05	2.21	1.79	1.30	1.01	0.719	0.567	0.482	0.413	0.325	0.265	0.140
1.70V/cell	10.7	7.09	5.39	4.30	3.12	2.26	1.82	1.32	1.02	0.730	0.575	0.489	0.418	0.328	0.268	0.141
1.65V/cell	11.1	7.29	5.52	4.39	3.18	2.29	1.85	1.33	1.03	0.737	0.580	0.493	0.421	0.331	0.269	0.142
1.60V/cell	11.7	7.60	5.71	4.52	3.27	2.35	1.89	1.36	1.06	0.751	0.590	0.501	0.427	0.335	0.273	0.144

Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	17.1	11.8	9.21	7.54	5.57	4.08	3.33	2.43	1.90	1.37	1.09	0.926	0.795	0.627	0.514	0.274
1.80V/cell	18.2	12.4	9.61	7.80	5.72	4.18	3.40	2.48	1.93	1.39	1.10	0.938	0.806	0.636	0.521	0.277
1.75V/cell	18.9	12.8	9.87	7.97	5.84	4.25	3.46	2.51	1.96	1.41	1.11	0.949	0.814	0.642	0.525	0.280
1.70V/cell	19.6	13.2	10.1	8.16	5.96	4.33	3.51	2.55	1.99	1.43	1.13	0.961	0.823	0.648	0.531	0.282
1.67V/cell	20.1	13.5	10.4	8.31	6.05	4.39	3.56	2.58	2.01	1.44	1.14	0.968	0.830	0.653	0.534	0.284
1.60V/cell	21.0	13.9	10.6	8.51	6.18	4.47	3.62	2.62	2.04	1.46	1.15	0.981	0.840	0.662	0.540	0.288